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# Washington University Record, November 29, 1990

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**A close second:** While first place in the volleyball championships would have been a perfect ending to their four years as starters for the Bears, seniors (from left) Dawn Chamberlin, Kathy Bersett and Dianne Stites are still going out on top. For a wrap-up of the Bears' postseason play, see page 2.

## War-related terrors

### Vietnam veterans still have violent nightmares, study shows

Heartthrob Tom Cruise, masking his all-American good looks, gave a gut-wrenching performance as Ron Kovic, a paralyzed Vietnam veteran, in the blockbuster movie "Born on the Fourth of July." But for many American males, the Vietnam experience is not a short-lived role or a topic to be treated on the big screen, then mostly forgotten.

New research shows that otherwise healthy, seemingly well-adjusted Vietnam veterans still have violent nightmares, even 10 or more years after combat. The study is among the first to demonstrate that veterans who cope well during their waking lives may still be plagued — when they sleep — by war-related terrors, says Cynthia A. Loveland Cook, Ph.D., an assistant professor in the George Warren Brown School of Social Work.

The new study focused on 442 Detroit area males, ages 24 to 41 at the time of their interviews. Nearly a quarter of the Vietnam vets reported having frequent nightmares, compared with only 11 percent of non-veterans.

The new research has a powerful message, even for Americans who have never served in the military. "The study may relate to anyone who has experienced a trauma in his or her life," notes Cook. By studying veterans who were not treated for psychiatric problems, "we're talking about the average person walking down the street. Like these veterans, healthy people who go through trauma — whether family conflict, child abuse or rape — may still suffer the fallout years later, particularly in their nightmares."

While dreams in this study were 3.5 percent more prevalent than nightmares, it was "the prevalence, frequency and content of nightmares that were consistently associated with life's stressors," including combat duty in Vietnam, says Cook. Sixty percent of the veterans with nightmares who had been involved in heavy combat duty in Vietnam reported violent content. Sometimes veterans saw themselves being shot at by the Viet Cong. Other times, in non-war settings, the veterans themselves wielded the guns.

In one veteran's nightmare, his family was killed in a car accident on the freeway. He could see their mutilated bodies lying on the road, he said.

Don C. Donderi, associate professor in psychology at McGill University in Montreal, says: "People who have unhappy experiences tend to dream about them. The new study confirms everything we know."

In a recent issue of The Journal of Applied Social Psychology, Cook and her co-authors describe how they divided respondents into three categories. Of the 442 men questioned, 30 percent had served in the Vietnam War between 1965 and 1975. Another 31 percent had been in the military during the Vietnam era, but were stationed elsewhere. The remaining 39 percent would have been eligible for wartime service, but did not join the military.

As part of a larger study on employment and unemployment among veterans, the subjects were interviewed in their homes for one hour. They were asked more than 100 questions, with six pertaining directly to nightmares and dreams.

**Nearly 25 percent of Vietnam veterans reported nightmares, versus 12 percent of veterans who did not serve in Vietnam.**

According to Cook and her co-author Robert D. Caplan, professor of psychology at George Washington University in Washington, D.C., nearly 25 percent of Vietnam vets in the study reported nightmares, versus 12 percent of veterans who did not serve in Vietnam and 11 percent of non-veterans.

While Cook says it would be impossible to determine from the current study whether service in Vietnam was any more likely to cause nightmares than other traumas, such as family conflict or membership in a violence-prone gang during adolescence, she says there is still an "important and significant association" between nightmares and military duty in Vietnam.

In addition, Vietnam veterans

with nightmares also reported higher levels of depression and anxiety. "If anything, our findings are probably conservative," Caplan notes.

Based on just the six questions, he says, it's "amazing" that the correlation between Vietnam duty and nightmares would be so strong. Both the waking and non-waking thoughts of people "reflect real-life stressors," he adds. "And for Vietnam veterans, these stressors may not have gone away."

Nightmares, or the reliving of trauma during non-waking moments, are a key characteristic of Post-traumatic Stress Disorder. Officially recognized since 1980 by the American Psychiatric Association, the syndrome affects anyone, not just veterans, exposed to severe and sudden psychological stress.

In the new Vietnam study, respondents generally defined nightmares as being highly unpleasant and dreams as being pleasant.

Over the years, a number of researchers have theorized that negative events seem to lead to nightmares, which may or may not be about the actual event, and that positive experiences seem to lead to dreams.

Researchers have primarily worked with subjects in the laboratory, hooking them up to electrodes and wires, then awakening and questioning them during the Rapid Eye Movement stage of sleep associated with dreaming.

Cook and Caplan, however, decided to take a more novel approach. In their study, respondents were interviewed when they were wide awake and at home. Moreover, the new study is "one of the first to use standard survey methodology — straightforward, open-minded questions, for example — to take a look at non-waking life," Cook notes.

Cook worked at the Institute for Social Research in Ann Arbor, Mich., at the time the interviews were conducted. Her interest in the subject grew directly from her own experience.

During the Vietnam War, Cook was a lieutenant junior grade and a registered nurse in charge of the intensive care unit at the Naval Hospital in Pensacola, Fla. "It was

Continued on p. 4

## Thomas Harmon installed as first Murphy professor

Thomas G. Harmon, Ph.D., professor of civil engineering, was formally installed as the first Clifford W. Murphy Professor of Civil Engineering during a ceremony held Nov. 9 in Lopata Hall Gallery.

The Murphy Professorship raises the number of endowed professorships in the School of Engineering and Applied Science to nine. It will provide ongoing support for Harmon's research activities in construction materials, building technology, finite element analysis and construction management. Harmon, a Washington alumnus, serves as director of the Construction Materials and Management Center at the engineering school.

The professorship's sponsor, Clifford W. Murphy, is a pioneer in hard rock drilling. He is the founder of the St. Louis-based Drilling Service Co. and a former student of Washington University. He received a 1990 Robert S. Brookings Award from the Board of Trustees at Founder's Day Oct. 13. Murphy and his wife, Armarie, also sponsor an endowed scholarship for the School of Engineering.

James M. McKelvey, Ph.D., dean of the School of Engineering and Applied Science, said having the endowed chair not only makes an important financial contribution to the school and University, but also "gives us in the school an opportunity to recognize the achievements of a small number of our very best faculty."

Chancellor William H. Danforth, who participated in the installation ceremony, said, "I get a real sense of satisfaction out of introducing a professorship because I think it's an act of faith on the part of the far-sighted donor ... an act of faith in one's fellow human beings, and an act of faith that the world can be made better by ... education."

Harmon, a two-time recipient of the Distinguished Professor Award from the University's student chapter of the American Society of Civil Engineers, capped the installation by discussing the seismic risk associated with existing construction, especially as it pertains to St. Louis and the Midwest. He showed slides of how different structures in San Francisco and Armenia held up following the recent devastating earthquakes in both areas. Harmon noted that while there are a variety of structural problems with existing buildings in the St. Louis area, potential problems can be alleviated by doing three things: bracing all loose parts, linking all parts and adding lateral strength.

Harmon received a bachelor's degree in mathematics from Washington University in 1966 and his doctorate in structural engineering from M.I.T. in 1973. Before returning to Washington University in 1982 as an associate professor of civil engineering, Harmon built a strong professional background. He was a vice president of design and construction for Oxford Properties Inc., where he served as construction manager for numerous multimillion dollar projects throughout the United States.



Thomas G. Harmon

Clifford W. Murphy





"Night Kiss," which deals with the perception of women in society, is one of several new works to be featured during the University's Dance Theatre set for 8 p.m. Dec. 7 and 8 in Edison Theatre. The piece was choreographed by Robert Small, artist-in-residence. Performing "Night Kiss" are (from left) Tracy Hammer, Ilene Haynes, Viva Goettinger, Chris Prentice, Deborah Koplovitz and Maya Geyer.

## Student 'dance company' to perform new works by local choreographers, faculty

The University's Dance Theatre will present its annual concert at 8 p.m. Dec. 7 and 8 in Edison Theatre.

Dance students will perform eight new works created for the concert by local choreographers and members of the University's dance faculty.

The pieces have a range of themes, from amusing to serious. Choreographer Robin Mosby's duet features a teeter-totter, while Susan Gash has choreographed a work for a solo dancer with a washtub. Other pieces deal with contemporary issues such as society's perception of women (Robert Small's "Night Kiss") and the stressful nature of an office worker's job (Angela Culbertson's work "Endless Race").

"One important focus of the University's dance program is to give our students the opportunity to work

creatively with as many choreographers as possible," says Small, artist-in-residence at the University and artistic director of the dance theatre. "In addition to resident faculty members, we have invited professional choreographers from the St. Louis area to set innovative work on our students.

"As the students in the dance program get more and more experienced, they will develop into a strong and exciting ensemble," Small adds. "One of my primary goals as artistic director is to foster and encourage this feeling and awareness of working as a dance company."

Tickets are \$7 for the general public and \$5 for senior citizens, students and Washington University faculty and staff. For more information, call 889-6543.

## Gospel musician will lead holiday choir

A concert featuring Christmas carols will be held at 6 p.m. Sunday, Dec. 2, in Graham Chapel.

The concert, which is free and open to the public, will feature the Carols of Christmas Gospel Choir under the direction of guest conductor and gospel songwriter O'Landa Draper of Memphis, Tenn. The public is invited to sing in the choir, which will perform original Christmas arrangements and contemporary gospel music from Draper's recent album titled "Do It Again."

Rehearsals for the Carols of Christmas Gospel Choir will be held at 5:30 p.m. Friday, Nov. 30, and 1:30 p.m. Saturday, Dec. 1, in the music department's Tietjens Hall at 6500 Forsyth Blvd.

Draper and The Associates, his Memphis-based choir, made their recording debut on gospel singer

Shirley Caesar's 1989 "I Remember Mama" album and concert video. Caesar's recording has been ranked on Billboard magazine's Top-40 gospel albums chart for 49 consecutive weeks.

The concert also will feature the "Christmas Story" narrated by Pete Woods, former Kansas City Chiefs quarterback and a 1984 graduate of Washington University's law school, and music by guitarist and singer Dave Korte of Highland, Ill.

The concert is sponsored by the University's Visions Gospel Choir, Christian campus ministries, the Department of Music, the African and Afro-American Studies Program, Student Educational Service, the Department of Residential Life, Omega Psi Phi Fraternity, Uptown Records and radio station WESL-1490 AM.

For information, call 862-4409.

## Volleyball team places second in nation before record crowd

It was everything a championship match was supposed to be. The top two teams in the nation dueling to the five-game limit in front of a record crowd. The only thing that was missing for the Washington University volleyball team was a happy ending.

On Nov. 17, the University of California-San Diego rallied to defeat Washington by a 15-4, 13-15, 9-15, 15-8, 15-6 score to win the 1990 NCAA Division III championship. An overflow crowd of 3,417 jammed the Field House, shattering the Division III attendance mark established by Washington at the 1989 championships.

The title match featured the two teams that had been ranked number one and two in the polls throughout the entire season. The UC-San Diego Tritons held down the top spot during the first half of the season, with Washington's Bears securing the number-two position. The two schools flip-flopped in the rankings a month ago after the Bears beat the Tritons three games to one. Additional suspense was provided by the fact that UC-San Diego had won five of the previous nine national championships and Washington was the defending titleholder.

In the first game of the finals, the Bears jumped to a quick 4-1 lead. However, the Tritons chipped away and scored the final 14 points to win by a comfortable 15-4 margin.

UC-San Diego scored the first four points of the second game to run their streak to 18 straight points against the Bears. The key play of the game came with the Tritons leading 11-8. Washington's All-America middle blocker Dianne Stites turned an ankle and had to leave the game. The Field House was silent as freshman Christine Masel made her first postseason appearance. On the play after the injury, Bear setter Kelley Meier shot a set to the middle, and Masel crushed the ball inside the 10-foot line as the crowd erupted. Seconds later, Masel killed a Triton overset, and the Bears rallied to win 15-13.

The momentum from game two carried over to the third as Washington charged to an easy 15-9 victory. Senior Kathy Bersett paced the Bears with seven kills in the game.

In the fourth game, UC-San Diego shot to a 6-1 lead behind strong serving. The Bears fought back to trail by one point at 7-6 but the Tritons scored

eight of the last 10 points to win 15-8.

In the fifth and deciding game, Washington came out quickly, taking a 6-3 lead. Those would be the Bears' last points. UC-San Diego tallied the final 12 points to win their sixth NCAA title.

The Bears' valiant efforts were recognized after the match, as Bersett and Meier were named to the six-player NCAA Division III all-tournament team. In addition, a trio of Bears were tabbed as Russell Athletic first-team All-America selections at the pre-tourney banquet held earlier in the week. Bersett, Stites and Meier were each chosen to the 12-player honor list. It marked the first time in the Bear program that three players received first-team accolades.

Bersett also was honored with the title of NCAA Division III player of the year. A senior business major, she concluded her career toward the top of several all-time Division III statistical lists. She ranks third nationally with 1,609 career kills, second with 1,528 digs, and fifth with 226 service aces.

The Bears' other seniors — Stites and Dawn Chamberlin — also left lasting imprints. Stites finished her career with 1,104 kills, making her one of only four Washington players to eclipse the 1,000-plateau. Stites also ranks first in the school history books with 1,072 touch blocks. Chamberlin ranks in the Bears' top 10 in career kills, aces, digs, assists and blocks.

Led by head coach Teri Clemens, assistant coach Joe Worlund, and graduate assistant Diane Vandegrift, other members of the Bears are junior Joanie Subar, sophomores Lisa Becker and Michelle Kirwan, and freshmen Leslie Catlin, Angela Suarez, Sara Mailander and Cathy Geist.

## American politics is topic of lectures

Byron E. Shafer, Andrew Mellon Professor of American Government at Nuffield College, Oxford University, will present a series of lectures on contemporary American politics on Nov. 27, 28 and 29 at 4 p.m. in Eliot Hall.

On Nov. 27, Shafer will discuss "The Structure of Electoral Politics at the Accession of George Bush" in 200 C-D Eliot. The topic of the Nov. 28 lecture is "National Party Conventions as Institutions — and as Mirrors." His Nov. 29 lecture will examine "Michels, Pareto, and Ford: Classical Insights on Contemporary American Politics." The Nov. 28 and 29 lectures will be held in 200 A Eliot.

Shafer is author of the 1988 *Bifurcated Politics*.

## Preparedness urged

The pullout section included in this Record is a service to our readers who may not have seen this preparedness guide when it recently was distributed to all employees through campus mailboxes and to students who live in the residence halls.

National experts in geology and seismology refute the prediction of an earthquake the first week of December along the New Madrid fault. Yet they do agree that a significant long-term probability does exist for a magnitude 6.5 to 7 earthquake in the New Madrid seismic zone, and that such an event could occur at any time.

The prediction has dramatized the need to be prepared. We ask that you and your family read this guide, post it in a prominent location and take appropriate action.

## RECORD

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# Preparedness Guide

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## Dealing Effectively With An Earthquake Or A Tornado Depends Strongly On How Well You Plan Ahead

**P**reparing well in advance of emergencies is one of the most effective ways to deal with any disaster. In the unlikely event of a severe earthquake or tornado, Washington University wants all members of the University community to know the steps you can take to minimize the

problems that may accompany the event. Please review precautions and take the steps recommended here in the event of an occurrence. If you have questions regarding these recommendations or need further advice, please call Tom Harig, Business Affairs Office, 314-889-5678.



# Before An Earthquake

- Keep in mind that most problems from a severe earthquake result from falling objects and debris (partial building collapses, ceiling plaster, light fixtures, etc.), not from ground movement.
- Affix shelves, with brackets, securely to bookcases. Remove heavy objects from shelves above head level. Do not hang plants in heavy pots that could swing free of hooks. Bookcases, cabinets, or wall decorations can topple over or fall.
- Locate beds away from windows and heavy objects that could fall. Don't hang mirrors or picture frames over beds.
- Secure appliances which could move, causing rupture of gas or electrical lines. Flexible connectors are suggested for gas/water lines. Know location of master switches and shut-off valves.
- Overhead lighting fixtures should be well secured to the ceiling.

- Move heavy unstable objects away from exit routes.
- Replace glass bottles with plastic containers or move to lowest shelves.
- Be aware that in the event of a severe earthquake, all utilities (gas/electric/water) will probably be down. Emergency services may be extremely limited for up to 72 hours due to overload demand.
- Choose one out-of-state friend or relative that family members can call to learn of your whereabouts and condition.
- Store or have access to emergency supplies (water, non-perishable, ready-to-eat food, first-aid kit, medicine, tools, portable radio, flashlight, fresh batteries, blankets, warm jacket, fire extinguisher) in a secure place at your residence and in car.

# During an

- Stay calm! Do not panic. Important — no matter how severe it is, the odds for your dealing with the earthquake are in your favor with sufficient preparation.
- Stay where you are when shaking starts. If you are indoors, remain indoors. If you are outside, stay outside. Most injuries occur as people are entering or leaving buildings.
- If you are indoors, get under a desk or a sturdy table, or brace yourself within a narrow hallway or doorway—making sure that the door cannot close on your hands. Stay away from glass, windows and outside doors. If unable to move, cover your head and body with your arms, pillows, blankets, books, etc., to protect yourself from falling objects. Avoid high bookcases, mirrors, cabinets, or other furniture that might topple.
- If in high-rise building, stay in the building on the same floor. Get under a desk or table; stay away from outside walls and windows.



# Earthquake

DO NOT use elevators, as power may have failed. Do not run for stairways, since they may incur more damage than level surfaces. Exits may also be affected. Evacuate tunnels, mechanical rooms, laboratories and indoor swimming pools.

- If an earthquake occurs when you are outside, get away from buildings, walls, trees, and utility wires. Stay in open area until shaking stops. The greatest danger from falling debris is near exterior doorways and close to outer walls.
- If driving, stop your car and stay inside. Although it may shake extensively, it is a fairly safe place to wait for shaking to end. Do not remain next to masonry structures or high rise buildings. Do not remain on or under bridges or overpasses. When driving, watch for earthquake-created hazards, such as falling objects, downed power lines, broken or undermined roadways and bridges.

# Before a Tornado

- Select the most favorable areas for shelter; the best protection is afforded by an underground shelter or basement.
- Be familiar with the weather service alert and siren system; there is a "test" in the St. Louis area the first Monday of each month at 11:00 a.m.
- Store emergency supplies (water, non-perishable, ready-to-eat food, first-aid kit, tools, portable radio, flashlight, fresh batteries, blanket, warm jacket and fire extinguisher) in a secure place at home and in your car.

# During A Tornado

- Seek safety in an underground basement or in an interior part of the lowest level (closets, bathrooms, hallways). Get under something sturdy.
- If in a high-rise building, go to an interior hallway on the lowest floor possible. Remain away from outside walls. Assume crouched position with arms over head.
- Stay away from windows, particularly on the windward side.
- Avoid shelter in large rooms with large, unsupported roof spans.
- If outside in an automobile, do not try to outrace the tornado; drive at right angles away from the tornado's path. If there isn't time to do this, or if you are on foot, take cover and lie flat in the nearest depression such as a ditch, culvert, excavation or ravine.



# After An Earthquake or Tornado

- Wear sturdy shoes to protect feet from possible broken glass.
- Check for injuries. Apply first aid. Do not attempt to move seriously injured.
- Check for fire.
- Check utilities for damage; evacuate building if a gas leak is present. Do not light matches or turn on electricity until you are certain there are no gas leaks.
- Avoid downed power lines.
- Check for structural damage, clear blocked exits.
- Check radio and phones and monitor for official broadcasts. Do not use phone except for an emergency.
- Use extreme caution when close to masonry structures.
- Plug bathtub and sink drains, do not use toilet until you are certain sewage lines are not damaged.
- Do not call the police or fire department except in case of an emergency (fire, severe injury or a gas leak). A delay in response time may be expected.
- Telephone the out-of-state person you designated so that family members and friends can call him or her to learn about your whereabouts and condition.
- For several days after a severe earthquake, be prepared for aftershocks. These are a common occurrence following a large earthquake. They can cause additional damage to weakened structures.



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# NOTABLES

**Susan Frelich Appleton, J.D.**, professor of law, had her article on "Surrogacy Arrangements and the Conflict of Laws" published in the 1990 issue of the Wisconsin Law Review. Her review of *Between Strangers: Surrogate Mothers, Expectant Fathers and Brave New Babies*, a 1989 book by Lori Andrews, was published in the Family Law Quarterly. Appleton also delivered a speech, titled "A 1990 Perspective on Abortion Rights," for the Grand Rounds sponsored by the Department of Obstetrics and Gynecology at the medical school.

**Bahman Emami, M.D.**, professor of radiology, lectured on "Interstitial Thermoradiotherapy in the Treatment of Malignant Tumors" at the second International Brachytherapy and After-loading Symposium and Workshop in St. Louis. He also presented "Post Operative Radiotherapy in Non-Oat Cell Carcinoma of Lung" and "Three-Dimensional Radiotherapy Treatment Planning of Lung Cancer" at the International Association for the Study of Lung Cancer, held in Brussels.

**Harvey S. Glazer, M.D.**, associate professor of radiology, lectured on "CT of Pulmonary Collapse" and "CT of the Mediastinum-Differential Diagnosis" at the 13th annual course of the Society of Computed Body Tomography.

**Wendy Hyman**, director of the English as a Second Language Program, has been elected the 1990-1992 second vice president of the Mid-America Teachers of English to Speakers of Other Languages. Prior to her election, she served as local chair of the group's 1990 fall conference, which the University hosted in October. More than 100 ESL educators and administrators from Iowa, Kansas, Missouri and Nebraska attended.

**Ira J. Kodner, M.D.**, associate professor of surgery at the School of Medicine and director of the Division of Colon and Rectal Surgery at Jewish Hospital, has been elected president of the American Board of Colon and Rectal Surgery for 1990-91. The board is a national organization that establishes the standards for adequate training in surgery dealing with diseases of the large intestine.

**David Konig, Ph.D.**, chair and professor of history, delivered a paper titled "*Caveat Scriptor*: Some Cautions and Suggestions for Revising the Legal History of Virginia before 1865" at the Virginia Historical Society Conference on New Directions in Virginia History. He also delivered a paper titled "The Virgin and the Virgin's Sister: The Competing Legal Legacies of Colonial Virginia and Massachusetts" at the 300th anniversary conference on the Massachusetts Supreme Judicial Court. He served as program chair for the American Society for Legal History's 1990 annual meeting held in Chicago and chaired a session titled "Political Authority, Republicanism, and the Virginia Courts" at the Southern Historical Association's annual meeting in New Orleans.

**Marvin H. Marcus, Ph.D.**, assistant professor of Japanese language and literature, delivered a paper titled "Literary Reminiscence in Meiji-Taisho Japan" at the 33rd International Congress of Asian and North African Studies in Toronto.

**Van McElwee**, lecturer in performing arts, served as a panelist in the judging of entries for the Independent Production Fund Regional Fellowship Program, which distributes funding

from the National Endowment for the Arts and the American Film Institute to independent films and videomakers in seven states. His videotape titled "Refraction" was chosen for exhibition at the Charlotte (N.C.) Film and Video Festival.

**David Moessner**, assistant director of sports information, **Debbi Van Booven**, production coordinator, and **Mike Wolf**, director of sports information, all public affairs staff members, received seven citations of excellence in the College Sports Information Directors of America (CoSIDA) publications contests for the 1989-90 academic year. Top honors went to Washington's brochures on men's basketball, women's volleyball and soccer, which were judged as the best in the nation. The women's basketball and football brochures placed second and fifth in the nation, respectively. In the special publications/programs category, the Lopata Basketball Classic brochure received third place, and the brochure on the Women's Central Region Basketball Classic placed fifth. CoSIDA, established in 1955, serves more than 1,600 sports information directors and others associated with the promotion of college athletics throughout the United States and Canada. The organization sponsors publication contests in 29 different categories.

**Emily Pearce**, an accountant for the school of engineering and applied science, passed her Certified Public Accountant exam on her first attempt.

**David J. Pittman, Ph.D.**, professor of sociology, delivered an invited presentation on "Alcohol Consumption and Alcohol Problems: Recent Trends in the United States" at the 35th International Institute on the Prevention and Treatment of Alcoholism in Berlin, Germany. He also presented a paper titled "The Distribution of Alcohol Consumption in American Society," at the Kettil Bruun Society for Social and Epidemiological Research on Alcohol held in Budapest, Hungary. Pittman co-authored the paper with Hugh Klein, Ph.D., who received his doctoral degree in sociology from Washington University.

**Mark R. Rank, Ph.D.**, assistant professor of social work and adjunct assistant professor of sociology, presented a paper titled "The Ecological Determinants of Welfare Incidence: The Importance of Population Density" at the American Sociological Association's annual meeting in Washington. He also presented a paper titled "A Contextual Model of Welfare Use" at the Rural Sociological Society's annual meeting in Norfolk, Va.

**Richard A. Watson, Ph.D.**, professor of philosophy, had his essay titled "On the Zeedijk" published in *The Georgia Review*. The essay, which focuses on Descartes in Holland, was first among the essays chosen for inclusion in the volume titled *The 1990/91 Puschart Prize XV: Best of the Small Presses*.

## Have you done something noteworthy?

Have you: Presented a paper? Won an award? Been named to a committee or elected an officer of a professional organization? The Washington University Record will help spread the good news. Contributions regarding faculty and staff scholarly or professional activities are gladly accepted and encouraged. Send a brief note with your full name, highest-earned degree, current title and department along with a description of your noteworthy activity to Notables, Campus Box 1070, or by electronic mail to p72245SS at WUVMC. Please include a phone number.



**Power talk:** Sandra Day O'Connor, associate justice of the U.S. Supreme Court, spoke on "Women in Power" to a capacity crowd in Graham Chapel Nov. 14. Her talk was the keynote address for the 1990 Mr. and Mrs. Spencer T. Olin Conference. During her speech, O'Connor said although it is still not easy for women to achieve power today, it is less difficult. O'Connor also addressed a full crowd of students, faculty and staff at the law school, where Dean Dorsey D. Ellis Jr. presented her with a T-shirt and a law school magazine that commemorated the school's status as the first chartered law school in the country to admit women.

## Science outreach coordinator is named

Jacqueline L. Hoffman, Ph.D., lecturer in biology, has been appointed the University's coordinator of science outreach.

"In establishing this position, the University has recognized the importance for Washington University to bring its expertise in the sciences to the greater St. Louis community," said Provost Edward S. Macias, Ph.D., who announced her appointment.

Hoffman will coordinate all activities and personnel in science outreach programs at Washington University, and help secure funding for outreach programs. Two key programs she will be involved with are the Washington University/University City Science Education Partnership and the Washington University Summer Institute in Molecular Biology.

As science outreach coordinator, Hoffman assists Sarah Elgin, Ph.D., Washington University professor of biology and organizer of the Science Education Partnership. The partnership, begun in early 1989, involves the cooperative efforts of scientists from Washington University and science teachers from the University City public schools.

Recognizing the nation's impending shortage of scientists and mathematicians, the Washington University scientists want to serve as resources for teachers and assist them in providing stimulating learning experiences to schoolchildren. They hope that the increased opportunities to interact with scientists and to carry out laboratory experiments will encourage students to continue their science education. The partnership provides equipment, supplies, teaching assistance from faculty, postdoctoral associates and graduate students for jointly designed classroom experiments, plus the expertise of about 25 Washington

University faculty members in biology, chemistry, physics, earth and planetary sciences, mathematics and medicine.

Through the Summer Institute, the biology department offers "Molecular Biology: the Gene Revolution," a credit course for St. Louis area secondary school biology teachers. Participating teachers enhance their knowledge of molecular biology techniques through "hands-on" laboratory projects that can be adapted for use in teaching high school students. Hoffman teaches in this course and coordinates follow-up sessions to assist teachers in presenting the material in their classrooms. Hoffman hopes to add more courses to the Summer Institute.

In addition to coordinating the science outreach programs, Hoffman has been the laboratory course coordinator for the biology department since 1984. She has co-taught lecture and laboratory courses in the fundamentals of biology, general genetics, microbial genetics and molecular biology. She also has developed and taught the summer school general genetics course for the biology department since 1983.

Hoffman received her bachelor's degree summa cum laude in biochemistry and bacteriology in 1973 from the University of California, Davis. She received a master's in biology in 1974 and a doctorate in cell and developmental biology in 1979 from Harvard University. Before joining the Washington University biology department in 1983, Hoffman was a National Institutes of Health postdoctoral research fellow in the department and had taught at the University of California, Davis, and Harvard University.

Faculty and staff interested in the Science Education Partnership can contact Hoffman at 889-5346, Campus Box 1137.

## NEWSMAKERS

Washington University faculty and staff make news around the globe. Following is a digest of media coverage they have received during recent weeks for their scholarly activities, research and general expertise.

**Society and economics spur hate**, says Larry Davis, Ph.D., associate professor of social work, in a Newhouse News Service article explaining a recent surge in violent acts against blacks and other minorities. "A lot of working-class white and minority youth are perceiving them-

selves as not going anyplace," says Davis in the article that appeared recently in the *Portland Oregonian*, *The Ann Arbor News*, the *Jersey Journal* in Jersey City, N.J., and the Lincoln, Neb., *Evening Journal*. "For the first time in American history, a sizable population is doing less well than its parents — and they're looking for scapegoats," he says. "But people look the wrong way as a root of their social problems — down instead of up to the guys who have more. It doesn't make sense to look to the guy who has less."



# CALENDAR

Nov. 29-Dec. 8

## LECTURES

### Thursday, Nov. 29

**Noon. Dept. of Genetics Seminar**, "The Search for Genes That Control Early Mammalian Embryogenesis," Gail Martin, Dept. of Biochemistry and Biophysics, U. of California. Room 816 McDonnell Medical Sciences Building.

**4 p.m. Dept. of Chemistry Seminar**, "Manganese (III)-Based Oxidative Free-Radical Cyclizations," Barry Snider, Brandeis U. Room 311 McMillen Lab. (Coffee: 3:45 p.m.)

**4 p.m. Dept. of Earth and Planetary Sciences Colloquium**, "Diffusion in Fluid-Bearing and Slightly Melted Rocks," E. Bruce Watson, prof., Rensselaer Polytechnic Institute. Room 102 Wilson Hall.

**4 p.m. Dept. of Pathology Seminar**, "Inflammatory Destruction of Pancreatic Islet Cells in Interferon- $\gamma$  Transgenic Mice," Nora Sarvetnick, Scripps Clinic. Third Floor Aud., Children's Hospital, 400 S. Kingshighway Blvd.

**4 p.m. Dept. of Political Science Colloquium**, "Michels, Pareto, and Ford: Classical Insights on Contemporary American Politics," Byron E. Shafer, Andrew W. Mellon Professor of American Government, Nuffield College, Oxford U. Room 200 A Eliot Hall. (Shafer also is delivering lectures on Nov. 27 and 28 at 4 p.m. The Nov. 27 lecture will be held in Rooms 200 C-D Eliot Hall; Nov. 28 lecture in Room 200 A Eliot.)

**4:15 p.m. Dept. of Philosophy Colloquium**, "Matter, Active Principles and the Understanding of Mind-Brain Relations in 18th-century Britain," James Buickerood, WU visiting prof. of philosophy. Hurst Lounge, 201 Duncker Hall.

### Friday, Nov. 30

**9:15 a.m. Dept. of Pediatrics Grand Rounds**, "75%-90% Cure Rate in A.L.L.: The Front Line in Childhood Cancer," Vita J. Land, assoc. prof., WU Dept. of Pediatrics. Clopton Aud., 4950 Audubon Ave.

**11 a.m. Dept. of Computer Science Seminar**, "Towards Truly Delay-Insensitive Circuit Realizations of Process Algebras," Geoffrey M. Brown, prof. of electrical engineering, Cornell U. Room 509C Bryan Hall. For more info., call 889-6160.

**11 a.m. School of Fine Arts and Performing Arts Dept. Slide Lecture**, "Who Took the Art Out of Performance Art?" Roger Copeland, prof. of theatre and dance, Oberlin College. Room 325 Mallinckrodt Center. For more info., call 889-5858.

**Noon. Dept. of Cell Biology and Physiology Seminar Series**, "Induction of and Rescue From Programmed Cell Death," Dennis Y. Loh, WU Depts. of Medicine and Molecular Microbiology. Cell Biology and Physiology Library, 4th Fl., McDonnell Medical Sciences Bldg.

**4 p.m. Depts. of Molecular Microbiology and Biology, and Division of Infectious Diseases Microbial Pathogenesis Seminar Series**, "Insight Into the Interaction Between *Haemophilus Influenzae* and the Human Host," Joseph St. Geme, Dept. of Microbiology and Immunology, Stanford U. Room 775 McDonnell Medical Sciences Bldg.

**4 p.m. Dept. of Chemistry Seminar**, "[4+2] Cycloadditions of Acetylenic Organotin: New Access to Cyclic Vinyltins, Applications in Synthesis," Bernard Jousseume, Universite' Bordeaux I. Room 311 McMillen Lab. (Coffee: 3:45 p.m.)

**4 p.m. School of Fine Arts Slide Lecture**, "Artist as Catalyst," Tina Brown, St. Louis environmental artist. Steinberg Hall Aud. Reception following in Bixby Gallery, Bixby Hall. The lecture is in conjunction with "Resources at Risk," an exhibit of works by Brown, on display in Bixby Gallery.

**5 p.m. Dept. of Comparative Literature Lecture**, "From Science to Autobiography: Forms of the Essay Miguel de Unamuno," Thomas Mermall, Brooklyn College. Stix International House Living Room.

### Saturday, Dec. 1

**9 a.m. Dept. of Anatomy and Neurobiology Saturday Morning Neural Science Seminar**, "Peripheral and Central Systems Involved in Pain Transmission." Speaker to be announced. Erlanger Aud., Medical Sciences Bldg.

### Monday, Dec. 3

**4 p.m. Dept. of Biology Seminar**, "Control of Early Development in *C. Elegans*," Susan Strome, Dept. of Biology, Indiana U. Room 322 Rebstock Hall. For more info., call 889-6287.

**4:15 p.m. Dept. of Philosophy Colloquium**, "Domination of Nature: The Enlightenment Project," Peter Petermann, graduate student, WU Dept. of Philosophy. Women's Bldg. Lounge.

**8 p.m. School of Architecture Seminar**, "Imperfect Utopia," Henry Smith-Miller, visiting prof., Southern California Institute of Architecture. Steinberg Hall Aud.

### Tuesday, Dec. 4

**4 p.m. Central Institute for the Deaf Seminar**, "Severely and Profoundly Hearing-Impaired People: Amplification and Speech Perception," Philip Newall, senior lecturer, Macquarie U. Second Floor Aud., Clinics and Research Bldg., 909 S. Taylor Ave.

**4 p.m. Dept. of Chemistry Seminar** "Spectroscopy and Electrochemistry of Molecular Thin Films," Vince Cammarata, U. of Minnesota. Room 311 McMillen. (Coffee: 3:30 p.m., outside Room 311 McMillen.)

**4:30 p.m. Dept. of Mathematics Colloquium**, "Algebra Structures on Resolutions," Hema Srinivasan, prof., U. of Missouri. Room 199 Cupples I. (Tea: 4 p.m., Room 200 Cupples I.)

### Wednesday, Dec. 5

**4 p.m. Dept. of Physics Colloquium**, "Quasi-Lattice Dynamics in Icosahedral Alloys," Alan Goldman, Dept. of Physics, Iowa State U. Room 204 Crow Hall. (Coffee: 3:30 p.m., Room 245 Compton Hall.) For more info., call 889-6276.

**4 p.m. Dept. of Mathematics Seminar**, "Introduction to TeX," Steven G. Krantz and Stanley Sawyer, WU professors of mathematics. Room 199 Cupples I. (Also Dec. 12, same time.)

**4:15 p.m. Dept. of Biochemistry and Molecular Biophysics Seminar**, "A Structure-Function Study of Dihydrofolate Reductase Using Site-Directed Mutagenesis and Genetic Techniques," Elizabeth Howell, Dept. of Biochemistry, U. of Tennessee. Erlanger Aud., First Fl., McDonnell Medical Sciences Bldg. (Coffee and donuts: 4 p.m.)

**8 p.m. Dept. of English Presents Poetry Readings** by Sara Nelson, Jonathan Smith and Kathleen McCann, all master of fine arts candidates. Hurst Lounge, 201 Duncker Hall.

**8 p.m. School of Fine Arts Visiting Artist Lecture Series** with artist Holly Hughes. Free. Steinberg Hall Aud.

### Thursday, Dec. 6

**8 a.m. Dept. of Pediatrics Grand Rounds**, "Importance of Early Childhood Intervention," T. Berry Brazelton, clinical prof. of pediatrics emeritus, Harvard Medical School. Clopton Aud., 4950 Audubon Ave. (Also being televised in Wohl Aud.)

**4 p.m. Dept. of Chemistry Seminar**, "(Monocyclopentadienyl) Scandium (Amido) Complexes: Well-Defined Single Component Catalysts for the Polymerization of  $\alpha$ -Olefins," Pamela Shapiro, DuPont Central Research. Room 311 McMillen. (Coffee: 3:30 p.m., outside Room 311 McMillen.)

**4 p.m. Central Institute for the Deaf Seminar**, "Presbycusis: A Biological and Epidemiological Overview," George A. Gates, prof., WU Dept. of Otolaryngology. Second Floor Aud., Clinics and Research Bldg., 909 S. Taylor Ave.

**4:15 p.m. Dept. of Philosophy Colloquium**, "Fichte's Solipsism. A Rehabilitation of Jean Paul," Markus Raab, WU graduate student. Hurst Lounge, 201 Duncker Hall.

**4:30 p.m. Dept. of Mathematics Colloquium**, "The Geometry of Great Circle Tubes," Sharon Pedersen, U. of California. Room 109 Cupples I. (Tea: 4 p.m., Room 200 Cupples I.)

### Friday, December 7

**Noon. Dept. of Cell Biology and Physiology Seminar Series**, "Extracellular ATP as a Cytotoxic Molecule," Francesco Di Virgilio, U. of Padova. Cell Biology and Physiology Library. Room 423 McDonnell Medical Sciences Bldg.

**6 and 8:30 p.m. WU Association Travel Lecture Series**, "New Zealand: An Outdoor Adventure," Grant Foster, filmmaker. Graham Chapel. For ticket info., call 889-5212.

**8:30 p.m. Hillel Lecture**, "Love and Sex in the Jewish Mystical Tradition," David Ariel, pres., Cleveland College of Jewish Studies. Hillel House, 6300 Forsyth Blvd. For more info., call 726-6177.

## MUSIC

### Friday, Nov. 30

**8 p.m. Dept. of Music Collegium Musicum Concert**, directed by Bruce Carvell. Graham Chapel. Free. For more info., call 889-5574.

### Sunday, Dec. 2

**2:30 p.m. Dept. of Music Wind Ensemble Concert** featuring the WU Jazz Band. Soloist Tim Myers of the St. Louis Symphony Orchestra will perform "Concerto for Euphonium and Winds," by James Curnow. Also works by Paul Hindemith, Jacques Offenbach and Eubie Blake. St. Louis Art Museum Theatre in Forest Park. Free. For more info., call 889-5581.

**6 p.m. Dept. of Music Concert**, "Carols of Christmas," featuring the Carols of Christmas Gospel Choir, directed by guest conductor and gospel songwriter O'Landa Draper. The public is invited to sing in the choir. Rehearsals for the choir will be held 5:30 p.m. Friday, Nov. 30, and 1:30 p.m. Saturday, Dec. 1, in Tietjens Hall.

Concert also will feature the "Christmas Story" narrated by Pete Woods, former Kansas City Chiefs quarterback and 1984 graduate of the WU law school. Free. Graham Chapel. For more info., call 862-4409.

### Tuesday, Dec. 4

**8 p.m. Dept. of Music Mixed Choir Concert**, directed by Janet Krupnik. Free. Graham Chapel. For more info., call 889-5574.

### Saturday, Dec. 8

**7:30 p.m. Dept. of Music Graduate Piano Recital** with John Cornelius. Free. Graham Chapel. For more info., call 889-5574.

## PERFORMANCES

### Friday, Nov. 30

**8 p.m. Performing Arts Dept. Presents** "Connections: An Evening of One Acts," "Hello, Out There," by William Saroyan, and "Danny and the Deep Blue Sea," by John Patrick Shanley. (Also Dec. 1 and 2, same time.) Cost: \$7 for general public; \$5 for senior citizens, students and WU faculty and staff. Mallinckrodt Center Drama Studio. For info., call 889-6543.

### Friday, Dec. 7

**8 p.m. WU Dance Theatre Presents** new choreography by students, faculty and alumni, directed by Robert Small, WU artist-in-residence. (Also Dec. 8, same time.) Cost: \$7 for general public; \$5 for senior citizens, students and WU faculty and staff. Edison Theatre. For more info., call 889-6543.

## EXHIBITIONS

**"Faculty Art Show,"** showcasing paintings and prints by Dan Gualdoni, WU lecturer. Also includes work from faculty in the School of Fine Arts, School of Architecture and Dept. of Art History and Archaeology. Through Dec. 2. Gallery of Art, upper gallery, Steinberg Hall. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends.

**"Bookness: Artists' Explorations of Form and Content,"** including "artists' books" by John Cage, Andy Warhol and local artist Leila Daw. Gallery of Art, lower gallery, Steinberg Hall. Through Dec. 2. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends.

**"Hemingway and Popular Culture."** Through Jan. 15, 1991. Special Collections, Level 5, Olin Library. 8:30 a.m. to 5 p.m. weekdays.

**"Caliban's New Master: The Emergence of Medicine in Early Modern Europe (1450-1700)."** Through Jan. 3, 1991. Rare Books Division, Seventh Floor, School of Medicine Library, 660 S. Euclid Ave. 8 a.m. to midnight Mon.-Thurs.; 8 a.m. to 10 p.m. Friday; 8:30 a.m. to 6 p.m. Saturday; and 1 to 10 p.m. Sunday.

**"Resources at Risk,"** an exhibit of works by St. Louis environmental artist Tina Brown. Through Dec. 14. Bixby Gallery, Bixby Hall. 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends.

## FILMS

### Thursday, Nov. 29

**7 and 9:30 p.m. Filmboard Foreign Series**, "Signs of Life," a German film with English subtitles. \$3. Room 100 Brown Hall.

### Friday, Nov. 30

**7 and 9:30 p.m. Filmboard Feature Series**, "Raging Bull." (Also Sat., Dec. 1, same times, and Sun., Dec. 2, at 7 p.m.) \$3. Room 100 Brown Hall.

**Midnight. Filmboard Midnight Series**, "Taxi Driver." (Also Sat., Dec. 1, same time, and Sun., Dec. 2, at 9:30 p.m.) \$3. Room 100 Brown Hall. On Fri. and Sat., both the 9:30 p.m. and midnight films can be seen for a double feature price of \$4; both Sun. films can be seen for \$4.

### Monday, Dec. 3

**7 and 9:30 p.m. Filmboard Classic Series**, "Cool Hand Luke." (Also Tues., Dec. 4, same times.) \$3. Room 100 Brown Hall.

### Wednesday, Dec. 5

**7 and 9:30 p.m. Filmboard Foreign Series**, "Ordet," a Danish film with English subtitles. (Also Thurs., Dec. 6, same times.) \$3. Room 100 Brown Hall.

### Friday, Dec. 7

**7 and 9:30 p.m. Filmboard Feature Series**, "Beaches." (Also Sat., Dec. 8, same times, and Sun., Dec. 9, at 7 p.m.) \$3. Room 100 Brown.

**Midnight. Filmboard Midnight Series**, "Dr. Strangelove." (Also Sat., Dec. 8, same time, and Sun., Dec. 9, at 9:30 p.m.) \$3. Room 100 Brown Hall. On Fri. and Sat., both the 9:30 p.m. and midnight films can be seen for a double feature price of \$4; both Sun. films can be seen for \$4.

## SPORTS

### Friday, Nov. 30

**6 p.m. Men's Basketball Seventh Annual Lopata Classic.** Amherst College vs. Claremont-Mudd-Scripps Colleges, followed by WU vs. Rhodes College at 8 p.m. Field House.

### Saturday, Dec. 1

**6 p.m. Men's Basketball Seventh Annual Lopata Classic consolation game**, followed by 8 p.m. championship game. Field House.

### Monday, Dec. 3

**7:30 p.m. Women's Junior Varsity Basketball.** WU vs. Webster College. Field House.

### Saturday, Dec. 8

**7 p.m. Women's Basketball.** WU vs. Blackburn College. Field House.

## MISCELLANY

### Friday, Dec. 7

**Noon. Woman's Club Mini-Luncheon and Program**, "Dean Bellos and his Hellenic Dancers; A Taste of Greek Culture and Spirit." Women's Bldg. Cost: \$3 for members and \$4 for their guests. For info., call 721-3573.

### Calendar Deadline

The deadline to submit items for the Dec. 6-15 calendar of the Record is Nov. 29. Items must be typed and state time, date, place, nature of event, sponsor and admission cost. Incomplete items will not be printed. If available, include speaker's name and identification and the title of the event; also include your name and telephone number. Send items to Deborah Parker, calendar editor, Box 1070, or by electronic mail to p72245DP at WUVMC.

## Vets — continued from p. 1

very hard," she said. "I saw a lot of Marines come back from Vietnam who were really sick. A lot of them died. Many of us in health care had nightmares, even though, unlike our veterans, we were safe." Cook's own nightmares lasted only a brief time, but to study the nightmares of others, she knew she would need to use scientific methods.

Sigmund Freud, the father of psychoanalysis, is credited with some of the best-known work on dreams.

In a search for parameters, Cook reviewed nearly 200 case histories dating to World War I and numerous old mental-hygiene journals. "Nightmares were very prevalent," she found. "There wasn't any research done. But there were many clinical descriptions of nightmares among World War I veterans with shell shock."

While proponents of Freud interpreted the dreams of soldiers in combat, Cook says she learned that military psychiatrists often found little to discuss, other than the fact that "men who come back from the trenches were having dreams about combat."

The dominant topics for nightmares, the researchers found in this current study, were personal loss, problems with the boss at work, death and aggression. Dreams, in contrast, were more likely to be about leisure-time activities.

Cook warns that many professionals may be overlooking the impact of combat in Vietnam. Too often, she says, mental health clinicians "focus on the here and now. They ask, 'What happened yesterday? What happened today?' They may not even ask about nightmares."

She believes that nightmares may provide a psychological window on human adjustment. Cook plans next to study the long-term adjustment of male survivors of child sexual abuse. "I would be most interested in looking at whether or not the content of nightmares changes over time in the recovery process," she says.

—Susan Sherman Fadem